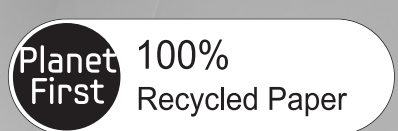
Refrigerator
user manual



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English

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SAMSUNG

Free Standing Appliance

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safety information

SAFETY INFORMATION

WARNING
- Before operating the appliance, please read this manual thoroughly and retain it for your reference.

WARNING
- Because these following operating instructions cover various models, the characteristics of your refrigerator may differ slightly from those described in this manual.

CAUTION/WARNING SYMBOLS USED

WARNING	Indicates that a danger of death or serious injury exists.
CAUTION	Indicates that a risk of personal injury or material damage exists.

OTHER SYMBOLS USED

	Represents something you must NOT do.
	Represents something you must NOT disassemble.
	Represents something you must NOT touch.
	Represents something you must follow.
	Indicates that you must disconnect the power plug from the socket.
	Represents a ground is needed to prevent electric shock.
	It is recommended that this symbol be handled by service man.

These warning signs are here to prevent injury to you and others.
Please follow them explicitly.
After reading this section, keep it in a safe place for future reference.

- This refrigerator must be properly installed and located in accordance with the manual before it is used.
- Use this appliance only for its intended purpose as described in this instruction manual.
- We strongly recommend that any servicing be performed by a qualified individual.
- R600a or R134a can be used as a refrigerant. Check the compressor label on the rear of the appliance and the rating label inside the fridge to see which refrigerant is used for the refrigerator.

- In case of R600a refrigerant, this gas is natural gas with high environmental compatibility that is, however, also combustible.
  When transporting and installing the appliance, care should be taken to ensure that no parts of the refrigerating circuit are damaged.
- Refrigerant squirting out of the pipes could ignite or cause an eye injury.
  If a leak is detected, avoid any naked flames or potential sources of ignition and air the room in which the appliance is standing for several minutes.

WARNING
- In order to avoid the creation of a flammable gas-air mixture if a leak in the refrigerating circuit occurs, the size of the room in which the appliance may be sited depends on the amount of refrigerant used.
- Never start up an appliance showing any signs of damage. If in doubt, consult your dealer.
- The room must be 1m3 in size for every 8g of R600a refrigerant inside the appliance.
- The amount of refrigerant in your particular appliance is shown on the identification plate inside the appliance.
- Please dispose of the packaging material for this product in an environmentally friendly manner.
- This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.
- Children should be supervised to ensure that they do not play with the appliance.

CE Notice

This product has been determined to be in compliance with the Low Voltage Directive (2006/95/EC), the Electromagnetic Compatibility Directive (2004/108/EC), RoHS Directive (2011/65/EU), Commission Delegated Regulation (EU) No 1060/2010 and the Eco-Design Directive(2009/125/EC) implemented by Regulation (EC) No 643/2009 of the European Union. (For products sold in European Countries only)

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SEVERE WARNING SIGNS

WARNING

- Do not install the refrigerator in a damp place or place where it may come in contact with water.
- Deteriorated insulation of electrical parts may cause an electric shock or fire.
- Do not place this refrigerator in direct sunlight or expose to the heat from stoves, room heaters or other appliance.
- Do not plug several appliances into the same multiple power board.
  The refrigerator should always be plugged into its own individual electrical which has a voltage rating that matched the rating plate.
- This provides the best performance and also prevents overloading house wiring circuits, which could cause a fire hazard from overheated wires.
- Make sure that the power plug is not squashed or damaged by the back of the refrigerator.
- Do not bend the power cord excessively or place heavy articles on it.
- This constitutes a fire hazard.
- Have the power cord repaired or replaced immediately by the manufacturer or its service agent if power cord has become frayed or damaged.
- Do not use a cord that shows cracks or abrasion damage along its length or at either end.
- If the power cord is damaged, have it replaced immediately by the manufacturer or its service agent.
- When moving the refrigerator, be careful not to roll over or damage the power cord.
- Do not insert the power plug with wet hands.
- Unplug the refrigerator before cleaning and making repairs.
- Do not use a wet or damp cloth when cleaning the plug.
- Remove any foreign matter or dust from the power plug pins.
- Otherwise there is a risk of fire.
- If the refrigerator is disconnected from the power supply, you should wait for at least ten minutes before plugging it back.
- If the wall socket is loose, do not insert the power plug.
- There is a risk of electric shock or fire.
- The appliance must be positioned so that the plug is accessible after installation.

- The refrigerator must be grounded.
- You must ground the refrigerator to prevent any power leakages or electric shocks caused by current leakage from the refrigerator.

- Never use gas pipes, telephone lines or other potential lightening rods as ground.
- Improper use of the ground plug can result in electric shock.
- Do not dissemble or repair the refrigerator by yourself.
- You run risk of causing a fire, malfunction and/or personal injury.
- If you smell pharmaceutical or smoke, pull out power plug immediately and contact your Samsung electronics service center.
- Keep ventilation opening in the appliance enclosure or mounting structure clear of obstruction.
- Do not use mechanical devices or any other means to accelerate the defrosting process, other than those recommended by the manufacturer.
- Do not damage the refrigerant circuit.
- Do not place or use electrical appliance inside the refrigerator/freezer, unless they are of a type recommended by the manufacturer.
- The appliance is not intended for use by children or infirm persons without supervision.
- Children should be supervised to ensure that they do not play with the appliance.
- Do not let children hang on the door.
  If not, a serious injury may occur.
- Do not touch the inside walls of the freezer or products stored in the freezer with wet hands.
- This may cause frostbite.
- If the refrigerator is not to be used for a long period of time, pull out the power plug.
- Deterioration in the insulation may cause fire.
- Do not store articles on the top of the appliance.
- When you open or close the door, the articles may fall and cause personal injury and/or material damage.

CAUTION SIGNS

CAUTION

- This product is intended only for the storage of food in a domestic environment.
- Manufacturer's recommended storage times should be adhered to. Refer to relevant instructions
- Bottle should be stored tightly together so that they do not fall out.
- Do not place carbonated or fizzy drinks in the freezer compartment
- Do not put bottles or glass containers in the freezer.
- When the contents freeze, the glass may break and cause personal injury.
- Do not spray inflammable gas near the refrigerator.
- There is a risk of explosion or fire.
- Do not directly spray water inside or outside the

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refrigerator.
- There is a risk of fire or electric shock.
- Do not store volatile or flammable substances in the refrigerator.
- The storage of benzene, thinner, alcohol, ether, LP gas and other such products may cause explosions.
- If you have a long vacation planned, you must empty the refrigerator and turn it off.
- Do not store pharmaceuticals products, scientific materials or temperature-sensitive products in the refrigerator.
- Products that require strict temperature controls must not be stored in the refrigerator.
- Do not put a container filled with water on the refrigerator.
- If spilled, there is a risk of fire or electric shock.
- Do not apply strong shock or excessive force onto the surface of glass.
- Broken glass may result in a personal injury and/ or property damage.

CAUTION SIGNS FOR CLEANING

- Never put fingers or other objects into the dispenser hole and ice chute.
- It may cause personal injury or material damage.
- Do not use a wet or damp cloth when cleaning the plug, remove any foreign material or dust from the power plug pins.
- Otherwise there is a risk of fire.
- If the refrigerator is disconnected from the power supply, you should wait for at least five minutes before plugging it back.

WARNING SIGNS FOR DISPOSAL

- When disposing of this or other refrigerator/s, remove the door/door seals, door latch so that small children or animals cannot become trapped inside.
- Leave the shelves in place so that children may not easily climb inside.
- R600a or R134a is used as a refrigerant. Check the compressor label on the rear of the appliance or the rating label inside the fridge to see which refrigerant is used for your refrigerator. When this product contains flammable gas(Refrigerant R600a) contact your local authority in regard to safe disposal of this product.
- Cyclopentane is used as a insulation blowing gas. The gases in insulation material require special disposal procedure. Please contact your local authorities in regard to the environmentally safe disposal of this product. Ensure that none of the pipes on the back of the appliances are damaged prior to disposal. The pipes shall be broke in the open space.

CAUTION In the event of a power failure, call the local office of your Electricity Company and ask how long it is going to last.

Most power failures that are corrected in an hour or two will not affect your refrigerator temperatures.

However, you should minimize the number of door openings while the power is off.

But should the power failure last more than 24hours, remove all frozen food.

For doors or lids fitted with locks and keys, the keys be kept out of the reach of children and not in the vicinity of the refrigerating appliance, in order to prevent children from being locked inside.

ADDITIONAL TIPS FOR PROPER USAGE

- Allow the appliance to stand for 2hours after installation.
- To get best performance of product,
- Do not place foods too closely in front of the vents at the rear of the appliance as it can obstruct free air circulation in the freezer compartment.
- Wrap the food up properly or place it in airtight containers before put it into the fridge freezer
- Do not put any newly introduced food for freezing near to already frozen food.
- Do not place carbonated or fizzy drinks in the freezer compartment
- Please observe maximum storage times and expiry dates of frozen goods.
- There is no need to disconnect the refrigerator from the power supply if you will be away for less than three weeks. But, remove all the food if you are going away for the three weeks or more. Unplug the refrigerator and clean it, rinse and dry.
- Most power failures that are corrected in an hour or two will not affect your refrigerator temperatures. However, you should minimize the number of door openings while the power is off. But should the power failure last more than 24hours, remove all frozen food.
- If the key is provided with refrigerator, the keys

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should be kept out of the reach of children and not in the vicinity of the appliance.

- The appliance might not operate consistently (possibility of defrosting of contents or temperature becoming too warm in the frozen food compartment) when sited for an extended period of time below the cold end of the range of temperatures for which the refrigerating appliance is designed.
- Do not store food which goes bad easily at low temperature, such as bananas, melons.
- Place the ice tray at the originally provided position by manufacturer in order to achieve optimal ice-freezing.
- Your appliance is frost free, which means there is no need to manually defrost your appliance, as this will be carried out automatically.
- Temperature rising during the defrost can comply with ISO requirement.
  But If you want to prevent an undue rise in the temperature of the frozen food while defrosting the appliance, please wrap the frozen food in several layers of paper such as newspaper.
- Any increase in temperature of frozen food during defrosting can shorten its storage life.

Saving Energy Tips

- Install the appliance in a cool, dry room with adequate ventilation.
  Ensure that it is not exposed to direct sunlight and never put it near a direct source of heat (radiator, for example).
- Never block any vents or grilles on the appliance.
- Allow warm food to cool down before placing it in the appliance.
- Put frozen food in the refrigerator to thaw.
  You can then use the low temperatures of the frozen products to cool food in the refrigerator.
- Do not keep the door of the appliance open for too long when putting food in or taking food out.
  The shorter time for which the door is open, the less ice will form in the freezer.
- Clean the rear of the refrigerator regularly.
  Dust increases energy consumption.
- Do not set temperature colder than necessary.
- Ensure sufficient air exhaust at the refrigerator base and at the back wall of the refrigerator.
  Do not cover air vent openings.
- Allow clearance to the right, left, back and top when installing.
  This will help reduce power consumption and keep your energy bills lower.

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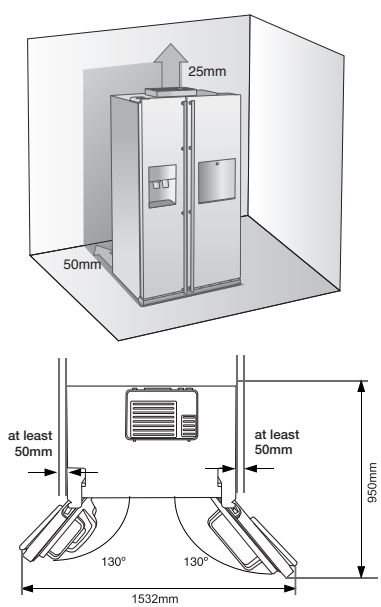
setting up your side-by-side refrigerator

GETTING READY TO INSTALL THE REFRIGERATOR

Congratulations on the purchase of your Samsung Side-By-Side Refrigerator. We hope you will enjoy the many state-of-the-art features and efficiencies that this new appliance has to offer.

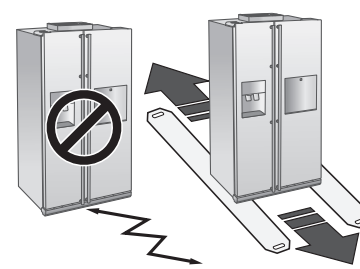
Selecting the best location for the refrigerator

- Select a location with easy access to the water supply.
- Select a location without direct exposure to sunlight.
- Select a location with level (or nearly level) flooring.
- Select a location with enough space for the refrigerator doors to open easily.
- Overall space required in use.
  Refer to drawing and dimension as below.
- Please ensure that appliance can be moved freely in the event of maintenance & service.



- Allow clearance to the right, left, back and top when installing.
  This will help reduce power consumption and keep your energy bills lower.
- Do not install the refrigerator where the temperature will go below 50°F (10°C).
- Make sure you disconnect the water supply line BEFORE removing the freezer door.
  See the next section on “Separating the Water Line” to avoid damage.

CAUTION When installing, servicing or cleaning behind the refrigerator, be sure to pull the unit straight out and push back in straight after finishing.



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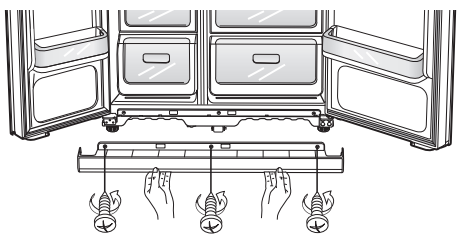
REMOVING THE REFRIGERATOR DOORS

If your entrance won't allow the refrigerator to pass easily through it, you can remove the doors.

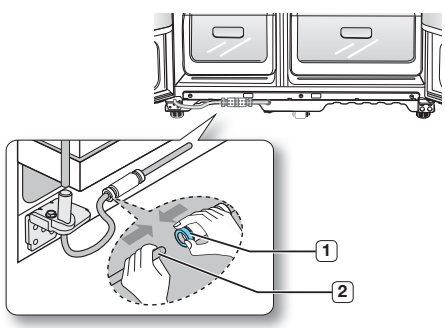
1. Removing the Front Leg Cover

First, open both the freezer and refrigerator doors, and then take off the front leg cover by turning the three screws counter-clockwise.



Separating the Water Supply Line from the Refrigerator

1. Remove the water line by pressing the coupler [1] and pulling the water line [2] away.



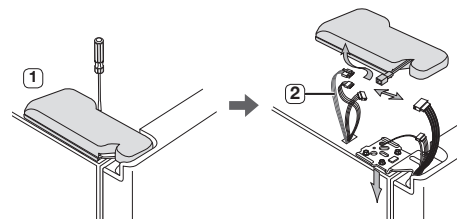
Do not cut the water line. Gently separate it from the coupler.

2. Removing the freezer door

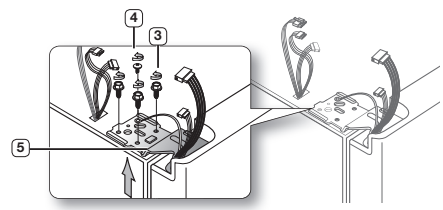
A few things to mention first.

- Make sure that you lift the door straight up so the hinges are not bent or broken.
- Be careful not to pinch the water tubing and wire harness on the door.
- Place doors on a protected surface to prevent scratching or damage.

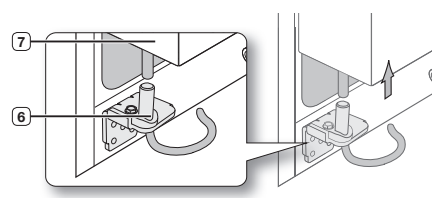
1. With the Freezer door closed, remove the upper hinge cover [1] using a screwdriver, and then disconnect the wires by gently pulling them apart [2] .



2. Remove hinge screws [3] and the ground screw [4] by turning counter-clockwise, and take off the upper hinge [5]. Be careful that the door does not fall on you as you are removing it

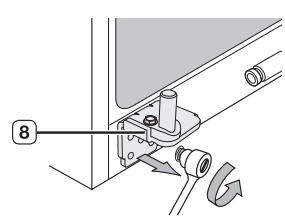


3. Next, remove the door from the lower hinge [6] by carefully lifting the door straight up [7] .



Be careful not to pinch the water tubing and wire harness on the door.

4. Remove the lower hinge [8] using a hex wrench.



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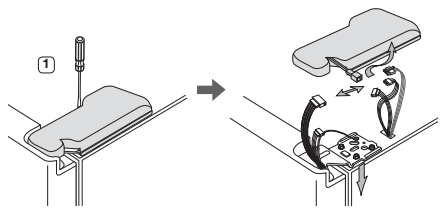
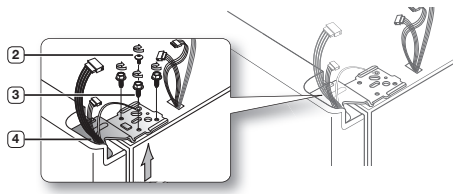
Removing the Fridge Door

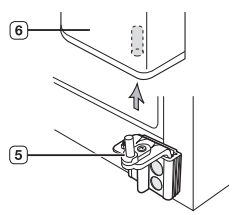
1. With the door closed, remove the upper hinge cover [1] using a screwdriver.



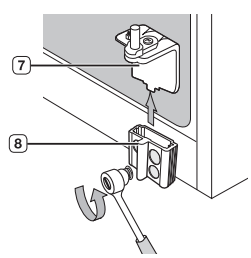
2. Remove hinge screws [2] and the ground screw [3] by turning counter-clockwise, and take off the upper hinge [4]. Be careful that the door does not fall on you as you are removing it



3. Remove the door from the lower hinge [5] by lifting the door straight up [6].



4. Remove the lower hinge [7] from the bracket [8] by gently lifting the lower hinge upwards.

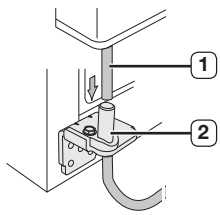


REATTACHING THE REFRIGERATOR DOORS

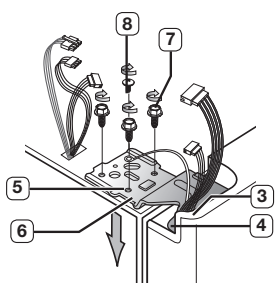
Once you have safely placed your refrigerator where you plan for it to stay, it is time to put the doors back on.

Reattaching the Freezer Door

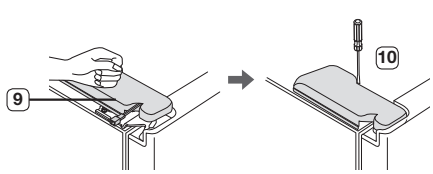
1. Replace the freezer door by inserting the water line [1] back into the lower corner of the door and then into the hole on the lower hinge [2].
Gently pull the water line back down so that it runs straight, with no kinks or bends.



2. Insert the upper hinge shaft [3] into the hole on the corner of the freezer door [4].
Make sure the hinge is level between the upper hinge hole [5] and the hole of the cabinet [6] and reattach the hinge screws [7] and ground screw [8] by turning in a clockwise direction.
Reconnect the wires.



3. Place the front part of the upper hinge cover [9] on the front of the upper hinge [10] and reattach with the screw.



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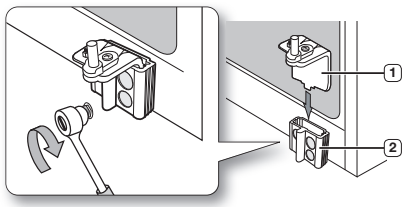
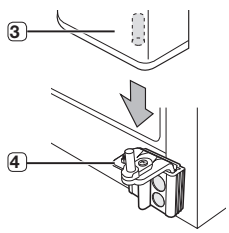
Reattaching the Fridge Door

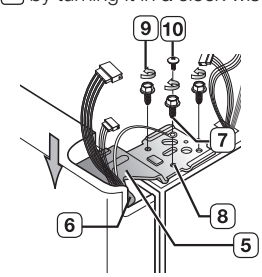
1. Insert the lower hinge [1] back into the lower hinge bracket [2] .



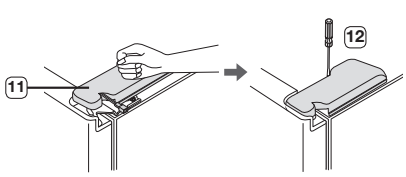
2. Fit the hole in the corner of the fridge door [3] over the lower hinge [4].



3. Insert the upper hinge shaft [5] into the hole on the hinge [6]. Make sure the hinge is level between the upper hinge hole [7] and the hole on the top of the cabinet [8] .
Then, reattach hinge screws [9] and the ground screw [10] by turning it in a clock wise direction.

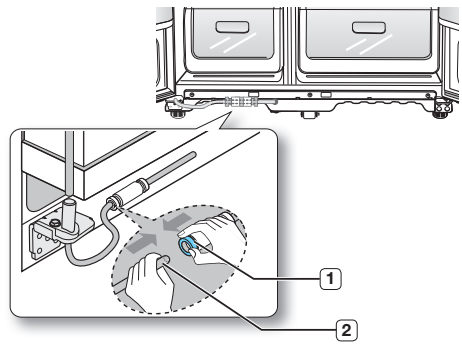


4. Place the front part of the upper hinge cover [11] on the front of the upper hinge [12] and reattach it with the screw.

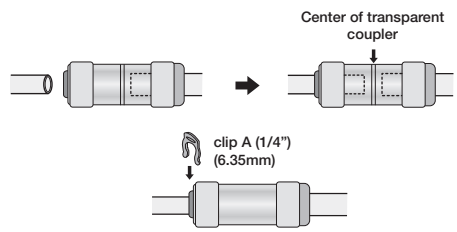


Reattaching the Water Supply Line

1. Insert the water line [2] into the coupler [1].



2. The Water Line must be fully Inserted to the center of transparent coupler to prevent water leakage from the dispenser.
3. Insert the clip in the install pack and check that it holds the line firmly.



Reattaching the Front Leg Cover

Before attaching the cover, check water connector for leakage.

Replace the front leg cover by turning the three screws clockwise, as shown in the figure.

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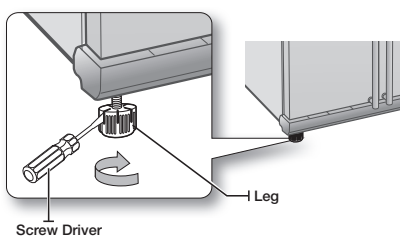
LEVELLING THE REFRIGERATOR

Now that the doors are back on the refrigerator, you will want to make sure the refrigerator is level so you can then make final adjustments.
If the refrigerator is not level, it will not be possible to get the doors perfectly even.

The front of the refrigerator is also adjustable.

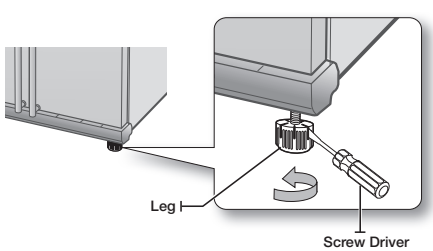
When the Freezer door is lower than the fridge

Insert a flat-blade screwdriver into a notch on the Leg, turn it clockwise or counter clockwise to level the freezer.



When the Freezer door is higher than the fridge

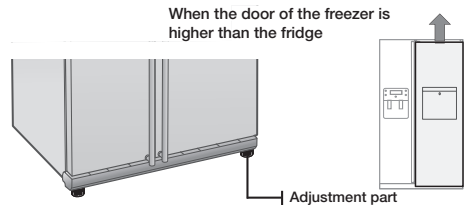
Insert a flat-blade screwdriver into a notch on the Leg, turn it clockwise or counter clockwise to level the freezer.



Refer to the next section for the best way to make very minor adjustments to the doors.

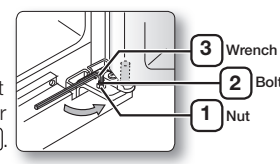
MAKING MINOR ADJUSTMENTS TO THE DOORS

Remember, a level refrigerator is necessary for getting the doors perfectly even.
If you need help, review the previous section on levelling the refrigerator.



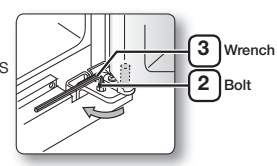
In the process for adjusting both the doors is the same. Open the doors and adjust them, one at a time, as follows:

1. Unscrew the nut [1] from the lower hinge until it reaches the upper end of the bolt [2].



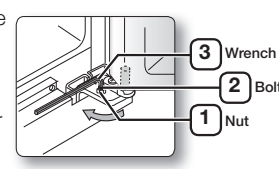
When you release the nut [1], make sure that you use the Allen wrench provided [3] to loosen the bolt [2] in a counter-clockwise direction. You should then be able to unscrew the nut [1] with your fingers.

2. Adjust the height difference between the doors by turning the bolt [2] clockwise or counter clockwise.



When you turn clockwise, the door will move up.

3. After adjusting the doors, turn the nut [1] clockwise until it reaches the lower end of the bolt, then tighten the bolt again with the wrench [3] to fix the nut in place [1].



If you do not secure the nut firmly, the bolt may release.

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CHECKING THE WATER DISPENSER LINE (OPTIONAL)

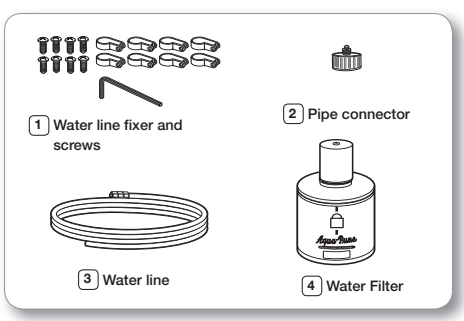
A water dispenser is just one of the helpful features on your new Samsung refrigerator. To help promote better health, the Samsung water filter removes unwanted particles from your water. However, it does not sterilize or destroy microorganisms.
You will need to purchase a water purifying system to do that. In order for the icemaker to operate properly, water pressure of 138 ~862 Kpa is required. Under normal conditions, a 170 cc paper cup can be filled in 10 seconds. If the refrigerator is installed in an area with low water pressure (below 138 Kpa), you can install a booster pump to compensate for the low pressure. Make sure the water storage tank inside the refrigerator is properly filled. To do this, press the water dispenser lever until the water runs from the water outlet.

Water Line installation Kits are included. You can find it in one of the freezer drawers.

INSTALLING THE WATER DISPENSER LINE

For Interior model

Parts for water line Installation



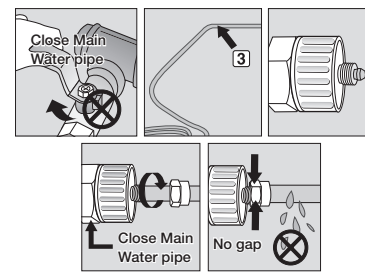
Connecting to the water supply line

1. First, shut off the main water supply line.
2. Locate the nearest cold, drinking water line.
3. Follow the water line installation instructions in the installation kit.

CAUTION

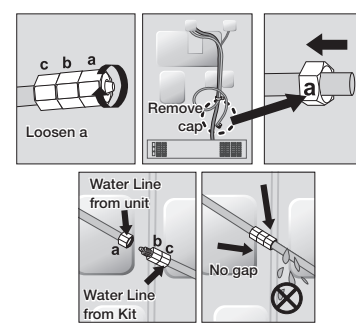
The water line must be connected to the cold water pipe. If it is connected to the hot water pipe, it may cause the purifier to malfunction.

4. After connecting the water supply to the water filter, turn your main water supply back on and dispense about 1l to clear and prime the water filter.



Connecting the water line to the refrigerator

1. Remove the dust cap from the water line on the rear of the unit and fit a compression nut from the install kit.
2. Remove the water pipe from the install kit and fit a compression nut to one end.
3. Join the two pipes together using the compression joint from the install kit ensuring that the joint is water tight.
4. Join the other end of the install pipe to the main water supply and turn on the water to check for leaks.



Only connect the water line to a drinkable water source. If you have to repair or disassemble the water line, cut off 6.5mm of the plastic tubing to make sure you get a snug, leak-free connection.

CAUTION Before being used, the leakage in these places should be examined

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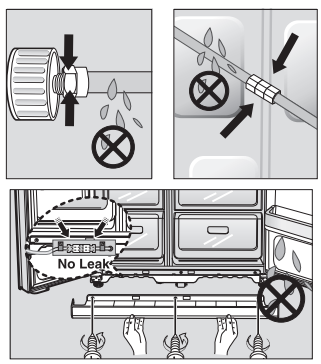
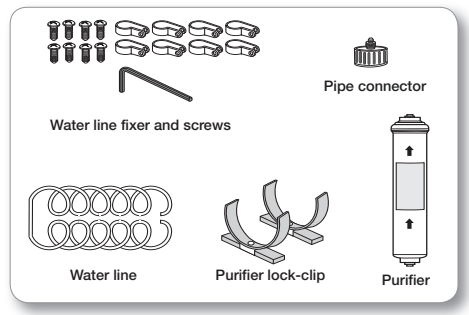
- Samsung Warranty does not cover WATER LINE INSTALLATION.
- The cost of connection to a water supply is at the customer expense, unless included in the delivery charge (refer to the delivery agreement with the seller)
- Please contact Plumber or Authorised Installer for the installation if needed.
- If Water leakage occurs due to improper installation, Please contact installer.



INSTALLING THE WATER DISPENSER LINE

For Exterior model

Parts for water line Installation



Connecting to the water supply line

Connect the water pipe with coupler and tap.

1. Close the main water tap.
2. Connect coupler “A” to the tap.

CAUTION

The water line must be connected to the cold water pipe. If it is connected to the hot water pipe, it may cause the purifier to malfunction.

WARRANTY INFORMATION

This water line installation is not covered by the refrigerator or ice maker manufacturer’s warranty.

Follow these instructions carefully to minimise the risk of expensive water damage.

Note:

If the coupler does not fit on the current tap, go the nearest authorised service dealer and purchase the right couplers fittings.

Select the location where the purifier is to install. (Model with the purifier)

- If you wish to reassemble the water inlet and outlet sides of the purifier during purifier installation, see the reference illustration.
- Cut the water line attached to the purifier to the appropriate place after measuring the distance between the purifier and the cold water tap.

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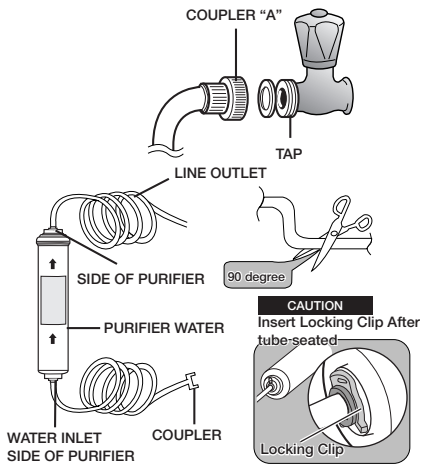
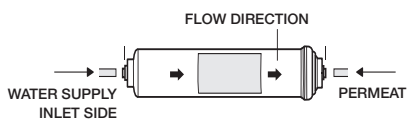
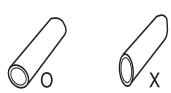


Replacement Instructions

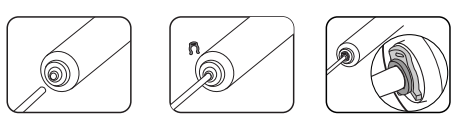
1. Shut off water supply.
2. Note the Flow direction on the filter.
3. Insert water supply tube into the inlet side of the filter until the tube stop.





Note : You must also ensure that the cut is square and not at any sort of angle as this could cause a leak

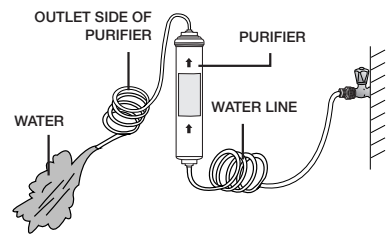
4. After inserting tube, put together the clip strongly. The Clip fix the tube.



5. Turn on the water and check for leaks. If leaks occur, repeat step 1,2,3,4. If leaks persist, discontinue use and call your supporting dealer.
6. Flush filter for 5 minutes before use.

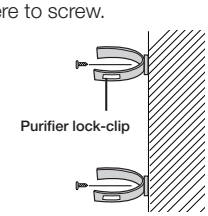
Remove any residual matter inside the purifier. (Model with the purifier)

- Open the main water tap to check whether water is running through the water tube on the water inlet side of the purifier.
- If water does not come out through the line, check whether the tap is open.
- Leave the tap open until clean water is running out and any residual matter that built up during manufacturing has been removed.



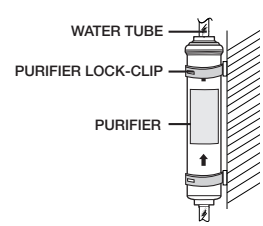
Attach the purifier lock-clip.

- Hold the purifier lock-clip in the appropriate position (under the sink for example) and fix it tightly into place where to screw.



Secure the purifier in position.

- Fix the purifier in position, as shown in the figure on the right.



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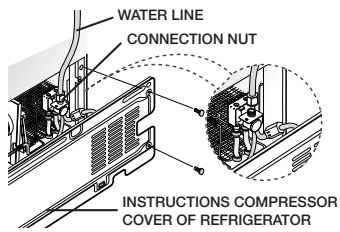
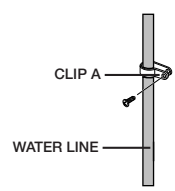
Connect the water line to the refrigerator.

- Remove the compressor cover of the refrigerator.
- Connect the water line to the valve, as shown in the figure.
- When connected, check if there is any leakage. If any, repeat the connection.
- Reattach the compressor cover of the refrigerator.



Secure the water line.

- Using clip "A", fix the water line to the wall (the back of refrigerator).
- When the water line is secure, make sure whether the water line is not excessively bent, pinched or squashed.



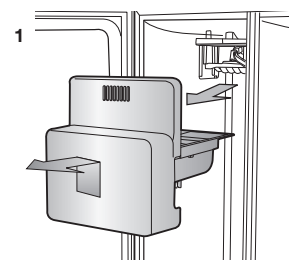
Removing any residual matter inside the water supply line after installing filter.

1. Turn ON the main water supply & turn OFF the valve to the water supply line.
2. Run water through the dispenser until the water runs clear (approx. 1L). This will clean the water supply system and remove air from the lines.
3. Additional flushing may be required in some households.
4. Open the refrigerator door and make sure there are no water leaks coming from the water filter.

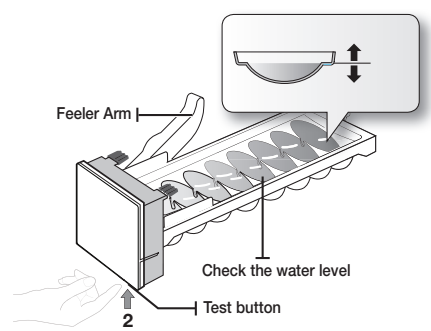
A newly installed water filter cartridge may cause water to briefly spurt from the water dispenser. This is due to air getting into the line. It should pose no problem to operation.

Check the amount of water supplied to the ice tray.

1. Lift up the icemaker cover and gently pull out.
2. When you press the Test button for 3 seconds, the ice cube container is filled with water from the water supply tap.
   Check to make sure the amount of water is correct (see the illustration below).
   If the water level is too low, the ice cubes will be small. This is a water pressure problem from with in the main water pipes, not the refrigerator.

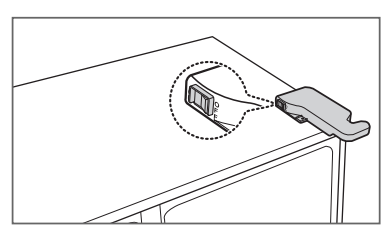


Ice maker



Using the anti-sweat heater switch

When the humidity of the indoor is high, sweat may form around the beverage station & dispenser. Turn the Anti-sweat heater switch on, to remove the sweat and turn the switch off when the sweat disappears.



RS21/23H** (OPTIONAL)

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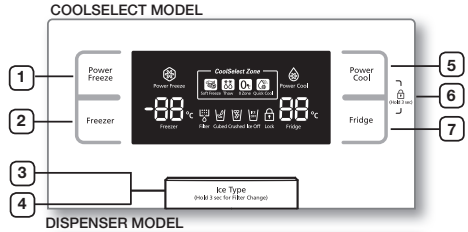
operating the SAMSUNG side-by-side refrigerator

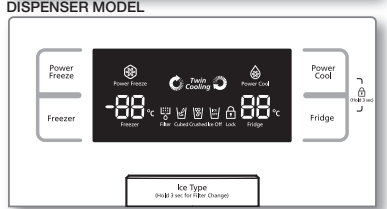
OPERATING THE REFRIGERATOR

Using the Control Panel / Digital Display

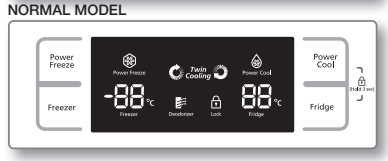
COOLSELECT MODEL



DISPENSER MODEL



NORMAL MODEL



When not in use the temperature display will turn off, this is normal.

1 POWER FREEZE BUTTON	Speeds up the time needed to freeze products in the freezer. This can be helpful if you need to quickly freeze items that spoil easily or if the temperature in the freezer has warmed dramatically (For example, if the door was left open).
2 FREEZER BUTTON	Press the **Freezer** button to set the freezer to your desired temperature, You can set the temperature between -14°C (8°F) and -25ºC (-14°F).
3 ICE TYPE BUTTON	Use this button to choose Cubed, Crushed or to turn the Ice feature off.
4 FILTER CHANGE BUTTON	When you change the filter, press this button for 3 seconds to reset the filter schedule.
5 POWER COOL BUTTON	Press this button to quickly return the refrigerator to the set temperature. Press this button again to cancel the Power Cool mode.
6 CHILD LOCK FUNCTION	By pressing the Power Cool button and the Fridge button simultaneously for 3 seconds, all buttons will be locked. The Water dispenser lever and the Ice lever will not work either. To cancel this function, Press these two buttons for 3 seconds again.
7 FRIDGE BUTTON	Press the **Fridge** button to set the fridge to your desired temperature. You can set temperature between 1°C and 7°C (34°F and 45°F).

When you use Power Freeze the energy consumption of the refrigerator will increase.

Remember to turn it off when you don't need it and return the freezer to your original temperature setting.

If you need to freeze large amount of food stuff, activate Power Freeze function at least 24 hours before.

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CONTROLLING THE TEMPERATURE

CONTROLLING THE FREEZER TEMPERATURE

The freezer temperature can be set between -14°C (8°F) and -25ºC (-14°F) to suit your particular needs. Press the Freezer button repeatedly until the desired temperature is shown in the temperature display. Keep in mind that foods like ice cream may melt at -16ºC (4°F).

The temperature display will move sequentially from -14°C (8°F) and -25ºC (-14°F). When the display reaches -14ºC (8°F), it will begin again at -25ºC (-14°F).

Five seconds after the new temperature is set the display will again show the actual current freezer temperature. However, this number will change as the Freezer adjusts to the new temperature.

CONTROLLING THE FRIDGE TEMPERATURE

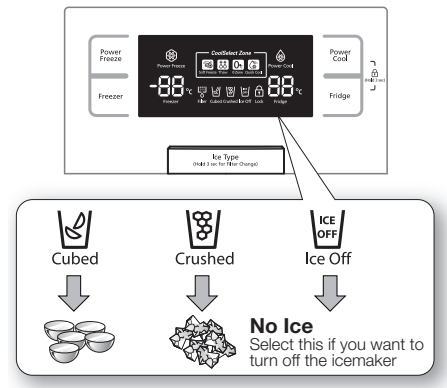
The refrigerator temperature can be set between 7ºC (46°F) and 1ºC (34°F) to suit your particular

needs. Press the Fridge button repeatedly until the desired temperature is shown in the temperature display. The temperature control process for the Fridge works just like the Freezer process.
Press the Fridge button to set your desired temperature. After a few seconds, the Fridge will begin tracking towards the newly set temperature. This will be reflected in the digital display.

The temperature of the freezer or the refrigerator may rise from opening the doors too frequently, or if a large amount of warm or hot food is placed in either side.
This may cause the digital display to blink. Once the freezer and refrigerator return to their normal set temperatures the blinking will stop. If the blinking continues, you may need to “reset” the refrigerator.
Try unplugging the appliance, wait about 10 minutes and then plug back in.

USING THE ICE AND COLD WATER DISPENSER

Press the Ice Type button to select the type of ice you want



Ice is made in cubes. When you select “Crushed”, the icemaker grinds the ice cubes into crushed ice.

Dispensing ice

Place your glass underneath the ice outlet and push gently against the ice dispenser lever with your glass. Make sure the glass is in line with the dispenser to prevent the ice from bouncing out.

Using the Water Dispenser

Place a glass underneath the water outlet and push gently against the water dispenser lever with your glass. Make sure the glass is in line with the dispenser to prevent the water from splashing out.

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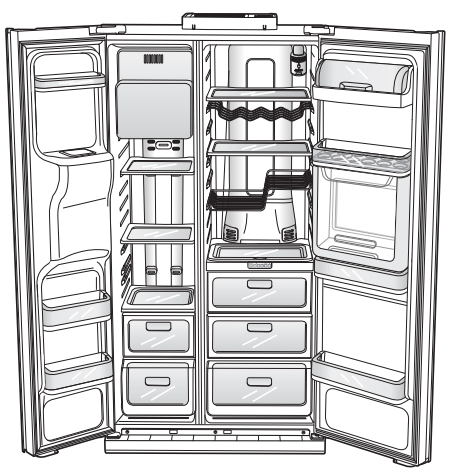
WARNING
- Do not put your fingers, hands or any other unsuitable objects in the chute or ice-maker bucket.

- It may result in personal injury or material damage.
- Never put finger or any other objects in the dispenser opening.
- It may cause injury.
- Use only the ice maker provided with the refrigerator.
- The water supply to this refrigerator must only be installed/connected by a suitably qualified person and connect to a potable water supply only.
- In order to operate the ice maker properly, water pressure of 138 ~ 862 Kpa is required.

CAUTION
- If you have a long vacation or business trip and won't use water or ice dispensers, close the water valve.

- Otherwise, water leakage may occur.
- Wipe excess moisture from the inside and leave the doors open.
- Otherwise, odor and mold may develop.



To get more space, you can remove top freezer drawer since it does not affect thermal and mechanical characteristics. A declared storage volume of frozen food storage compartment is calculated with this drawer removed.

USING THE COOLSELECT ZONE™ DRAWER (OPTIONAL)

Quick Cool

- You can use the Quick Cool feature with the CoolSelect Zone™.
- "Quick Cool" allows 1~3 canned beverages to cool within 60 min.
- To cancel this function, press the "Quick Cool" button again. CoolSelect Zone™ returns to the previous temperature.
- When "Quick Cool" ends, it returns to the "Cool" temperature setting.

Thaw

- Drips loss and quality deterioration of meats reduces the freshness of foods.
- After "Thaw" is selected, warm and cold air is alternately supplied into the CoolSelect Zone™ Drawer.
- Depending on the weight of meat, thawing time can be selected for 4 hrs, 6 hrs, 10 hrs, and 12 hrs sequentially.
- When "Thaw" ends, CoolSelect Zone™ display returns to "Zero Zone" condition.
- When "Thaw " ends, there are no juice in the meats and they are half-freezed condition so it is easy to cut them for cooking.
- To cancel this option, press any button except "Thaw".
- The approximate thawing time of meat and fish are shown below. (Based on 1inch thickness)

THAW TIME	WEIGHT
4hours	363g (0.8lb)
6hours	590g (1.3lb)
10hours	771g (1.7lb)
12hours	1000g (2.2lb)

Depending on the size and thickness of meat and fish, the thawing time may vary.

The above weight represents the total weight of food in the CoolSelect Zone™ Drawer.

Ex) The total thawing time for 400g frozen beef and 600g frozen chicken will be 10 hours.

WARNING With the "Thaw" option, food which is not needed to thaw in the CoolSelect Zone™ Drawer should be removed.

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Soft Freeze

- When “Soft Freeze” is chosen, the temperature on the digital panel displays -5ºC regardless of the set temperature of the refrigerator.
- “Soft-Freeze” temperature helps keep meats and fishes fresh longer.
- Can cut meat easily without drips.

Zero Zone (0ºC)

- When “Zero Zone” is chosen, the temperature of the CoolSelect Zone™ Drawer is kept at 0 ºC regardless of the set refrigerator temperature.
- “Zero Zone” temperature helps keep meat or fish fresh longer.

Cool

- When “Cool” is chosen, the temperature will be the same as the set temperature of the refrigerator. The digital panel shows the same temperature as that of the display panel.
- The CoolSelect Zone™ Drawer allows extra refrigerator space.

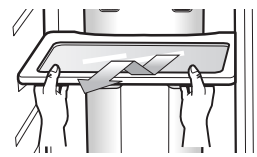
Depending on the beverages, the cool-down time may vary.

WARNING For “Quick Cool” option, food stored in the CoolSelect Zone™ Drawer should be removed.

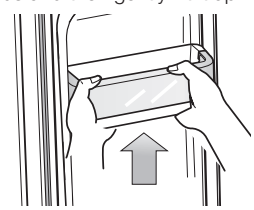
REMOVING THE FREEZER ACCESSORIES

Cleaning and rearranging the interior of the freezer is simple.

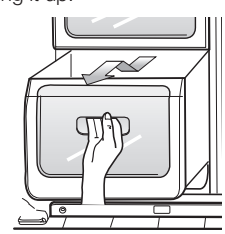
1. Remove the Glass shelf by pulling the shelf out as far as it will go. Then, gently lift it up and remove it.



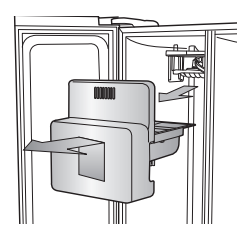
2. Remove the door bin by holding the door bin with both hands and then gently lift it up.



3. Remove the Plastic drawer by pulling it out and slightly lifting it up.



4. Remove the Icemaker bucket by lifting up and pulling it out.



Do not use excessive force when removing the cover.

Otherwise, the cover may break and cause injury.

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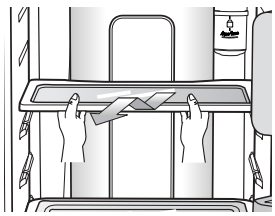
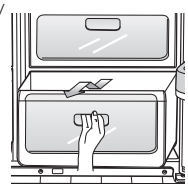
REMOVING THE FRIDGE ACCESSORIES

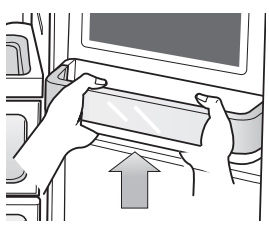
1. Remove the spill Proof Glass Shelf by pulling the shelf out as far as it will go.
   Then, gently lift it up and gently remove it.



2. Remove the Vegetable & Fruit Drawer by pressing on the indentations found on the inside left and right sides of the Veggie Box/ Dry Box cover and remove by pulling forward.
   Holding the drawer with one hand, lift it up a little bit while pulling it forward and take it out of the refrigerator.

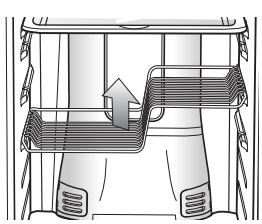


3. Remove the Gallon Door Bin by holding the bin with both hands and gently lifting it up.



4. The Z Shelf is attached to the cabinet wall. Remove the wine shelf by sliding it up and gently lifting the shelf out of the tabs.

CAUTION Ensure that the Z Shelf is fitted as shown in the diagram and not upside down.



Before removing any accessories, make sure that no food is in the way.
When possible, remove the food altogether to reduce the risk of accidents.

To get the best energy efficiency of this product, please leave all selves, drawers and baskets on their original position like as illustration in page (17).

CLEANING THE REFRIGERATOR

WARNING Do not use benzene, thinner, or Clorox, Chloride for cleaning.
They may damage the surface of the appliance and may cause a fire.

CAUTION Do not spray the refrigerator with water while it is plugged in, as it may cause an electric shock. Do not clean the refrigerator with benzene, thinner or car detergent for risk of fire.

REPLACING THE INTERIOR LIGHT

For LED lamp, please contact service engineer to replace it.

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CHANGING THE WATER FILTER

WARNING To reduce risk of water damage to your property DO NOT use generic brands of water filers in your SAMSUNG Refrigerator. USE ONLY SAMSUNG BRAND WATER FILTERS. SAMSUNG will not be legally responsible for any damage, including, but not limited to property damage caused by water leakage from use of a generic water filter. SAMSUNG Refrigerators are designed to work ONLY WITH SAMSUNG Water Filter.

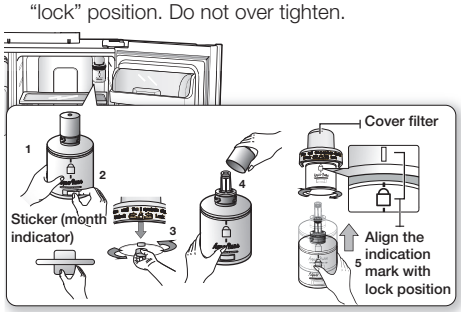
The “Filter Indicator” light lets you know when it is time to change your water filter cartridge.

When the filter indicator light changes to red, it is time to change the filter.

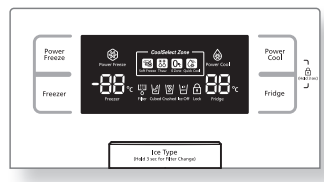
To give you some time to get a new filter, the light will come on up just before the capacity of the current filter runs out.

Changing the filter on time provides you with the freshest, cleanest water from your fridge.

1. Remove the water filter from the box and put a month indicator sticker on the filter as shown.
2. Place a sticker on the filter that dates six months in the future. For example, if you are replacing the water filter in March, put the “SEP” (September) sticker on the filter to remind you to replace in September.
   Normally filter life is about every 6 months.
3. Next, remove the fixed cap by turning it counter clockwise.
4. Remove the new filter’s protective cap and remove the old filter.
5. Position and insert the new filter into the filter housing.
   Slowly turn the water filter clockwise 90º to align with the indication mark on the cover, locking the filter in position.
   Make sure that the indicator is lined up with the “lock” position. Do not over tighten.



6. Once you have completed this process, hold the Ice Type button for 3 seconds to reset the filter schedule.
7. Lastly, Dispense 1L of water through water dispenser and throw away. Make sure that water flows clearly again before drinking.



A newly installed water filter cartridge may cause water to briefly spurt from the water dispenser. This is due to air getting into the line. It should pose no problem to operation.

Ordering replacement filters

To order more water filter cartridges, contact your authorised Samsung dealer.

USING THE DOORS

The refrigerator doors are equipped with a door opening and closing feature that ensures that the doors close all the way and are securely sealed.

After opening beyond a certain point, the door will “catch” and remain open. When the door is ajar ahead of the catch that allows it to stay open, it will close automatically.

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troubleshooting

PROBLEM	SOLUTION
The refrigerator does not work at all or it does not chill sufficiently.	• Check that the power plug is properly connected. • Is the temperature control on the display panel set to the correct temperature? Try setting it to a lower temperature. • Is the refrigerator in direct sunlight or located too near a heat source? • Is the back of the refrigerator too close to the wall and therefore keeping air from circulating?
The food in the fridge is frozen.	• Is the temperature control on the display panel set to the correct temperature? Try setting it to a warmer temperature. • Is the temperature in the room very low? • Did you store the food with a high water content in the coldest part of the fridge? Try moving those items into the body of the fridge instead of keeping them in the CoolSelect Zone™ drawer.
You hear unusual noises or sounds.	• Check that the refrigerator is level and stable. • Is the back of the refrigerator too close to the wall and therefore keeping air from circulating? • Was anything dropped behind or under the refrigerator? • A “ticking” sound is heard from inside the refrigerator. This is normal and occurs because various accessories are contracting or expanding in relation to the temperature of the refrigerator interior.
The front corners and sides of the appliance are hot and condensation is occurring.	• Some heat is normal as anti-condensators are installed in the front corners of the refrigerator to prevent condensation. • Is the refrigerator door ajar? Condensation can occur when you leave the door open for a long time.
Ice is not dispensing.	• Did you wait for 12 hours after installation of the water supply line before making ice? • Is the water line connected and the shut-off valve open? • Did you manually stop the ice making function? Make sure Ice Type is set to Cubed or Crushed. • Is there any ice blocked within the ice storage unit? • Is the freezer temperature too warm? Try setting the freezer temperature lower.
You can hear water bubbling in the refrigerator.	• This is normal. The bubbling comes from the refrigerant coolant liquid circulating through the refrigerator.
There is a bad smell in the refrigerator.	• Has a food item spoiled? • Make sure that strong smelling food (for example, fish) is wrapped so that it is airtight. • Clean out your freezer periodically and throw away any spoiled or suspect food.
Frost forms on the walls of the freezer.	• Is the air vent blocked? Remove any obstructions so air can circulate freely. • Allow sufficient space between the foods stored for efficient air circulation. • Is the freezer door closed properly?
Water dispenser is not functioning.	• Is the water line connected and the shut-off valve open? • Has the water supply line tubing been crushed or kinked? Make sure the tubing is free and clear of any obstruction. • Is the water tank frozen because the refrigerator temperature is too low? Try selecting a warmer setting on the main display panel.

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memo

memo

Ambient Room Temperature Limits

This refrigerator is designed to operate in ambient temperatures specified by its temperature class marked on the rating plate.

Class	Symbol	Ambient Temperature range(°C)
Extended Temperate	SN	+10 to +32
Temperate	N	+16 to +32
Subtropical	ST	+16 to +38
Tropical	T	+16 to +43

Internal temperatures may be affected by such factors as the location of the fridge/freezer, ambient temperature and the frequency with which you open the door. Adjust the temperature as required to compensate for these factors.

English

Correct Disposal of This Product (Waste Electrical & Electronic Equipment)

(Applicable in countries with separate collection systems)

This marking on the product, accessories or literature indicates that the product and its electronic accessories (e.g. charger, headset, USB cable) should not be disposed of with other household waste at the end of their working life. To prevent possible harm to the environment or human health from uncontrolled waste disposal, please separate these items from other types of waste and recycle them responsibly to promote the sustainable reuse of material resources.

Household users should contact either the retailer where they purchased this product, or their local government office, for details of where and how they can take these items for environmentally safe recycling.

Business users should contact their supplier and check the terms and conditions of the purchase contract. This product and its electronic accessories should not be mixed with other commercial wastes for disposal.

Contact SAMSUNG WORLD WIDE

If you have any questions or comments relating to Samsung products, please contact the SAMSUNG customer care center.

COUNTRY	CALL	Web site
AUSTRALIA	1300 362 603	www.samsung.com
COLOMBIA	01-8000112112	www.samsung.com
EIRE	0818 717 100	www.samsung.com
HONG KONG	(852) 3698-4698	www.samsung.com/hk www.samsung.com/hk_en/
INDIA	1800 1100 11, 3030 8282 1800 3000 8282, 1800 266 8282	www.samsung.com
MALAYSIA	1800-88-9999	www.samsung.com
NEW ZEALAND	0800 SAMSUNG (726-7864)	www.samsung.com
PANAMA	800-7267	www.samsung.com/latin (Spanish) www.samsung.com/latin_en (English)
PHILIPPINES	1800-10-SAMSUNG (726-7864)	www.samsung.com
SINGAPORE	1800-SAMSUNG (726-7864)	www.samsung.com
SOUTH AFRICA	0860-SAMSUNG (726-7864)	www.samsung.com
U.K	0330 SAMSUNG (726-7864)	www.samsung.com
VIETNAM	1 800 588 889	www.samsung.com

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